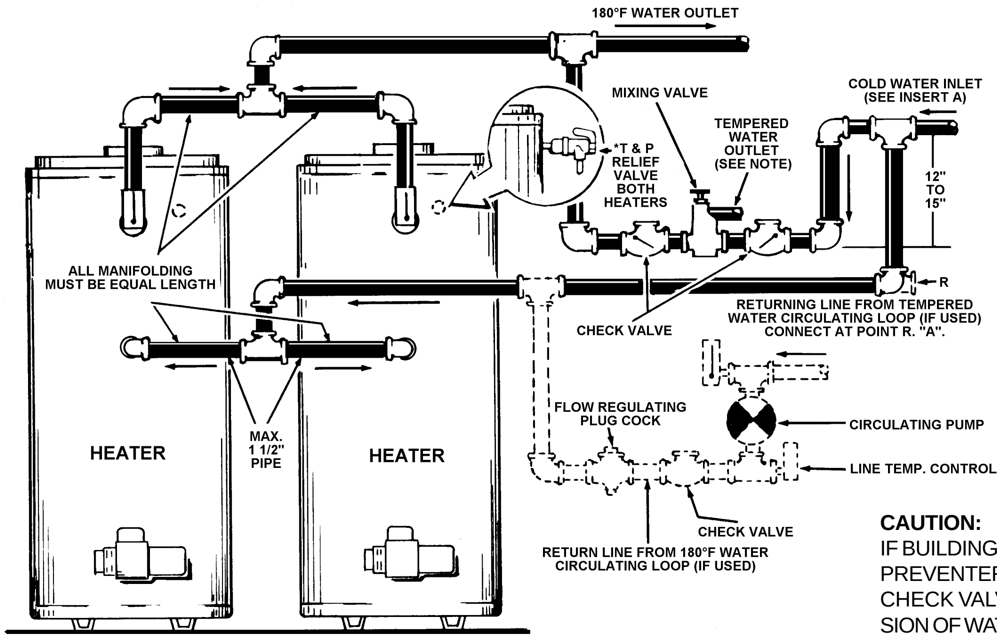
A. O. SMITH

APPLICATION TYPE DIAGRAM
SEE INSTALLATION MANUAL
FOR COMPLETE INSTRUCTIONS

INSTALL IN ACCORDANCE WITH LOCAL CODES.

ONE OR TWO TEMPERATURE TWO HEATERS WITH OR W/O MIXING VALVE TWO PREHEATERS WITH BOOSTER HEATER WITH OR W/O BUILDING RECIRCULATTION

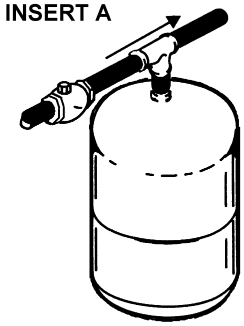
OIL FIRED TANK TYPE COF-199 THRU 700



MUST BE IDENTICAL HEATERS

TWO HEATERS WITH OR WITHOUT MIXING VALVE

INSERT A



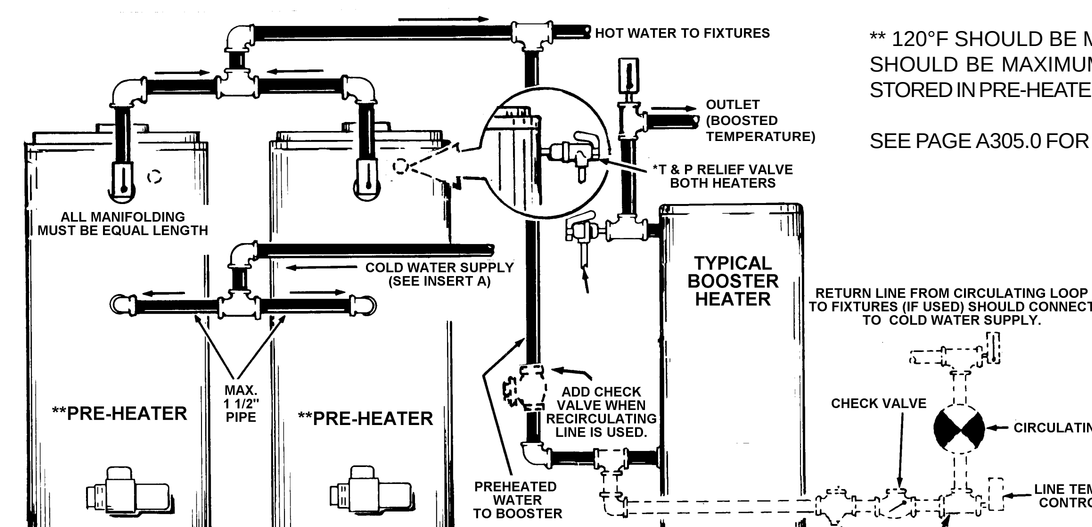
INSTALL THERMAL EXPANSION TANK ON COLD WATER SUPPLYLINE, IF CHECK VALVE OR PRESSURE VALVE IS USED IN SUPPLY.

CAUTION:
IF BUILDING COLD WATER SUPPLY HAS A BACKFLOW PREVENTER, CHECK VALVE OR WATER METER WITH CHECK VALVE, PROVISIONS FOR THERMAL EXPANSION OF WATER IN THE HOT WATER SYSTEM MUST BE PROVIDED.

* PIPE RELIEF VALVE TO OPEN DRAIN.

** 120°F SHOULD BE MINIMUM AND 140°F TO 150°F SHOULD BE MAXIMUM TEMPERATURE OF WATER STORED IN PRE-HEATER.

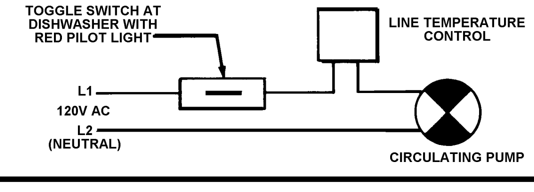
SEE PAGE A305.0 FOR MANIFOLD KITS.



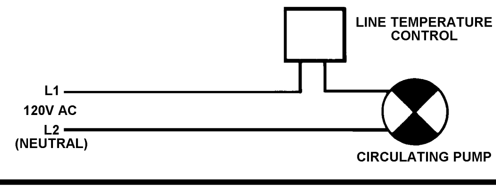
MUST BE IDENTICAL HEATERS

TWO PRE-HEATERS WITH BOOSTER HEATER

WIRING DIAGRAM FOR SANITIZING LOOP (IF USED)



WIRING DIAGRAM FOR FIXTURE LOOP (IF USED)



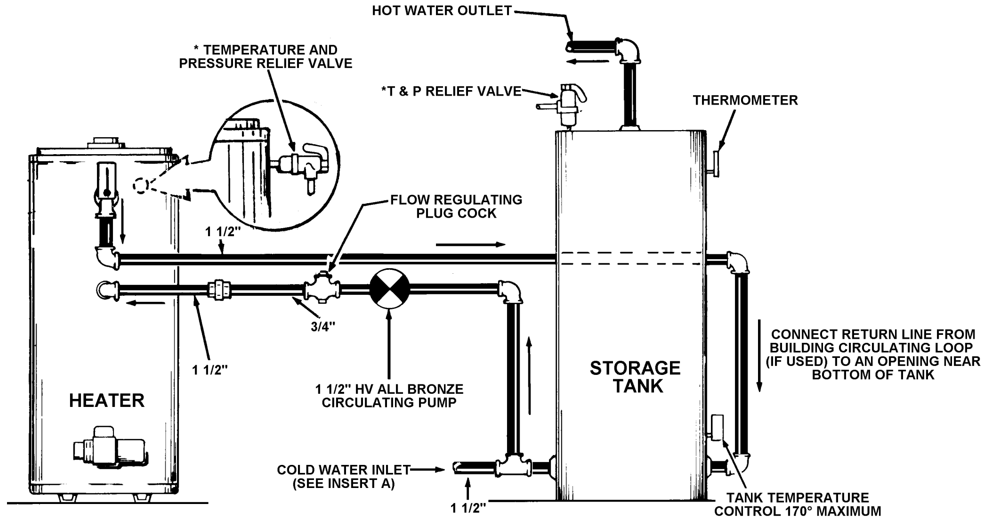
MEDIUM TEMPERATURE ONE HEATER WITH AUXILIARY STORAGE TANK FORCED CIRCULATION WITH OR W/O BUILDING RECIRCULATION

A. O. SMITH

APPLICATION TYPE DIAGRAM
SEE INSTALLATION MANUAL
FOR COMPLETE INSTRUCTIONS

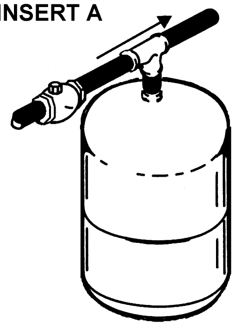
INSTALL IN ACCORDANCE WITH LOCAL CODES.

OIL FIRED TANK TYPE COF-199 THRU 700

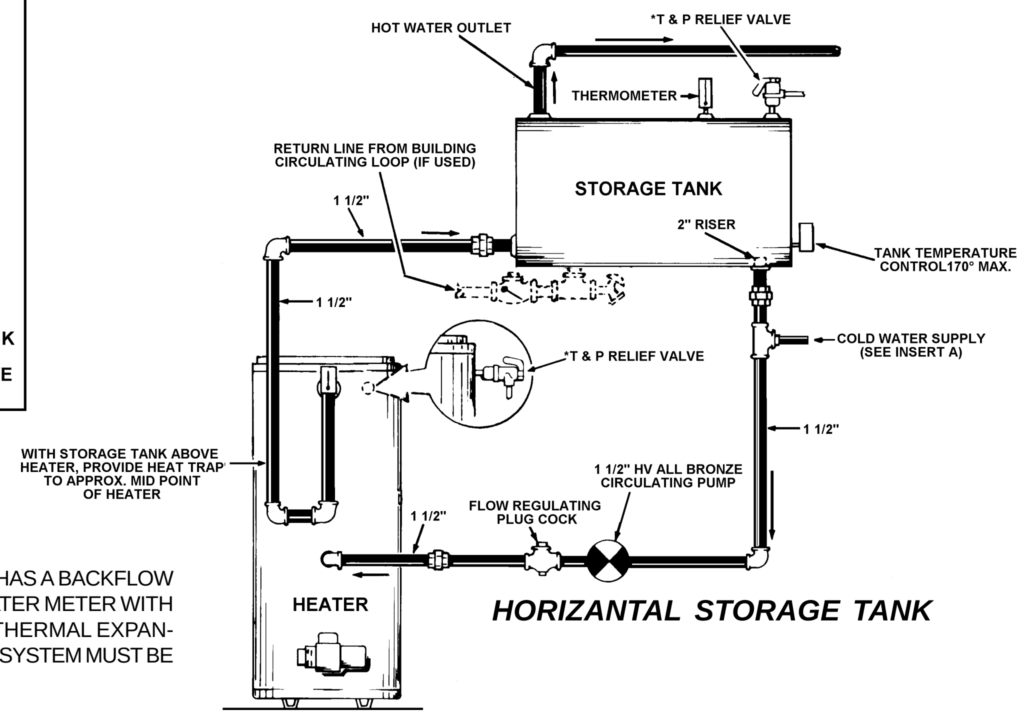


VERTICAL STOTRAGE TANK

INSERT A



INSTALL THERMAL EXPANSION TANK ON COLD WATER SUPPLYLINE, IF CHECK VALVE OR PRESSURE VALVE IS USED IN SUPPLY.



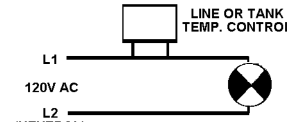
HORIZANTAL STORAGE TANK

CAUTION:
IF BUILDING COLD WATER SUPPLY HAS A BACKFLOW PREVENTER, CHECK VALVE OR WATER METER WITH CHECK VALVE, PROVISIONS FOR THERMAL EXPANSION OF WATER IN THE HOT WATER SYSTEM MUST BE PROVIDED.

* PIPE RELIEF VALVE TO OPEN DRAIN.

HEATER THERMOSTATS SHOULD BE SET AT LEAST 5° HIGHER THAN TANK TEMPERATURE CONTROL.

CIRCULATING PUMP WIRING DIAGRAM



CIRCULATING PUMP

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